

CANopen Interface Absolute Multiturn Encoder EAM58



Description

EAM58 series is used in industrial environments with special needs. It has good resistance to mechanical damage and its shaft can withstand high axial and radial loads. High-speed communication and good ability make the customer's equipment run more stable. anti-interference

Features

- Various types of flanges are available
- Waterproof seal improves IP level
- Protection class IP65
- Metal housing for shock resistance
- Conforming to industrial CANopen protocol
- Pre-screw hole, convenient for usage
- Durable stainless steel shaft

Mechanical parameters

Shaft diameter (mm)	φ6g6φ8g6 φ15H7 -58W
Protection class	IP65
Max.speed (r/m)	3000
Max.load capacity of shaft	80 N(axial) 160 N(radial)
Shock resistance	50G/11 ms
Vibration resistance	10G 10...2000Hz
Bearing life	10 ⁹ revolution
Moment of inertia	1.8x10 ⁻⁶ kgm ²
Starting torque	<0.05 Nm
Body material	Al-alloy UNI 9002/5 - (D11S)
Housing material	Al-alloy 6060
Flange material	Al-alloy UNI 9002/5
Operating temperature	-40 C...+80 C
Storage temperature	-45 C...+85 C
Relative humidity/condensation	90%, Condensation not permitted
Weight	~800 g

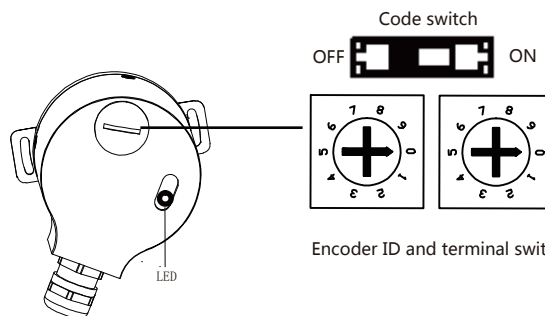
Electrical parameters

Supply voltage	10...30 V DC
Current	Max. 0.29 A
Linearity	±1/2 LSB(12 bit); ±1 LSB(13 bit)
Code	Binary
Interface	CAN HIGH-Speed to ISO/DIS 11898, Basic and Full-CAN; CAN specification 2.0 B
Protocol	CANopen Profile DSP 406 with additional function
Baud rate	250K (Pre-factory setting) CAN DNET 125 / 250 / 500 kBit/s
Add.	Add. set: 1~99 32(Pre-factory setting)
Termination resistors	120Ω

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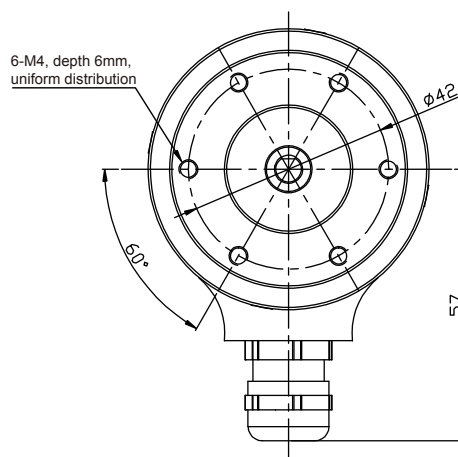
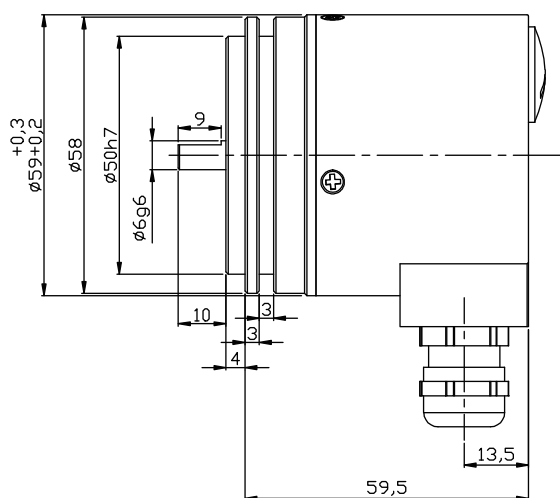
Terminal Assignment

Signal	0V	+Ub	CAN+	CAN-	Shield
Color	WH	BN	GN	GY	



Dimensions(mm)

EAM58B



EAM58C

